

Physical and Mathematical Vocabulary

Table 1: Physical vocabulary

Symbol	English ¹	Deutsch
\underline{p}	momentum	der Impuls
\underline{L}	angular momentum	der Drehimpuls
	centre of mass (C.o.M), centre of gravity	der Schwerpunkt
$F = m\ddot{x}$	equation of motion (E.o.M.)	die Bewegungsgleichung
	damping	die Dämpfung
	restoring force	die Rückstellkraft

Table 2: Mathematical vocabulary

Symbol	English ¹	Deutsch
$\therefore \Rightarrow$	implies, therefore, thus	folgt
	such that (s.t.)	so dass
	further, furthermore	ferner
$\frac{d}{dt}$	take the derivative, differentiate (vb)	ableiten, differenzieren
$\frac{dx}{dt}, \dot{x}$	derivative (n)	die Ableitung, der Differenzialquotient
\int	integrate (vb)	integrieren
$\int f(x)dx$	integral (n)	das Integral
$\underbrace{\int f(x)dx}$	integrand (n)	der Integrand
\perp	perpendicular	senkrecht
	plane	die Ebene

If you have words you would like to see added to the list, please email me at teaching@dr-qubit.org.

Toby Cubitt, May 11, 2004

¹(n) = noun, (vb) = verb